

24. (Amended) An apparatus for sensing electromagnetic radiation, comprising:

a detector structure to sense electromagnetic radiation, the detector structure formed on a semiconductor substrate;

a micromechanical optical imaging system including a lens configured to form an image of a subject to be imaged onto a plane of the detector structure, the lens having a convexity facing away from the detector structure, wherein the optical imaging system forms a protective window for the detector structure, and wherein the lens is arranged relative to the detector structure so that a cavity is between the lens and the detector structure.

36. (Amended) A method for producing an apparatus for sensing electromagnetic radiation, comprising:

monolithically producing a micromechanical optical imaging system and a detector structure, a cavity being formed between the detector structure and the optical imaging system, the detector structure for sensing the electromagnetic radiation, the optical imaging system for forming an image of a subject to be imaged onto a plane of the detector structure.

REMARKS

After the cancellation of claim 20, claims 19 and 21-36 remain pending in this application. All of the pending claims stand rejected. Claims 19, 24 and 36 have been amended. No new matter has been added.

The Office Action indicates that, although the references cited in the Search Report of May 2001 have been considered, these references will not be listed on any patent resulting from the pending application. As an initial matter, each of the references cited in the Search Report was, in fact, listed on the PTO Form 1449 provided with the IDS filed on January 2, 2001. The Examiner has initialed each of these references listed in the Information Disclosure Statement except Micro-Opto-Electro-Mechanical Devices and On-Chip Optical Processing to Motamedi et al. In regard to this reference, the Examiner states that no date of publication has been identified. Although this reference has been previously submitted by the International